

Choat To Deliver Paper Before Engineering Group On Germ-Free Animal Facility Design

Ernest E. Choat, Y-12's Environmental Control Engineering, will deliver a paper tomorrow, March 9, before the American Society of Heating Refrigeration and Air Conditioning Engineers. The ASHRAE meeting begins at 6:30 at the Regas Restaurant, Knoxville.



Ernest E. Choat

Taft Complex Will Add Benzene Unit

A large benzene production unit is being added to Union Carbide's giant petrochemical complex at Taft, Louisiana, 20 miles above New Orleans on the Mississippi, according to an announcement from Birny Mason Jr., chairman of the board.

The new unit is designed to be expandable to produce more than 100 million gallons a year. Production start-up is scheduled for the third quarter of this year.

Raw material for the benzene facility will be the aromatic coproduct streams from Union Carbide's many ethylene units. The corporation is the world's largest producer of ethylene.

The benzene and toluene produced at Taft will be used within the corporation in making styrene, phenol, alkyl benzene, and various toluene derivatives. The new production will strengthen Union Carbide's position as a producer of materials for the plastics and detergent industries.

The new unit is being built by Stearns-Rogers and The Lummus Company.

Union Carbide has already announced production units at the Taft complex for making ethylene, ethylene oxide, polyethylene, acrylates, peracetic acid, glyoxal, and ethyleneamines. The ethyleneamines unit is now in production.

Union Carbide Readies New Paper For Employees

A new publication from the home office is in the planning stage from the "home office" of Union Carbide Corporation. The newspaper will be available to all employees in the United States of UCC, and will be issued bi-monthly.

Gordon W. Nugent, who joined UCC Industrial Relations early this year, will edit the newspaper format publication. Nugent was formerly with the Phelps Dodge Copper Products Corporation, and holds an MS degree in journalism from Columbia University.

The paper, entitled "A Facility for Pathogen-Free, Inbred, Mouse Production" was prepared by Choat, L. P. Wynns, Electrical Engineering and M. L. Simmons, ORNL's Biology Division.

The unique design features of a germ-free animal production facility will be described. Included will be a discussion of the functional aspects of the facility, administrative problems and design details. Emphasis will be given to the part of design which deals with controlling various factors of the environment. The factors controlled in this particular facility are temperature, humidity, air pressures, odor and cleanliness.

Choat is a graduate of the University of Tennessee, where he received his BS degree in Mechanical Engineering. He has completed all course work leading to an MS in Industrial Management at UT. Since coming to Y-12, he has specialized in heating, ventilation, and air conditioning systems design, acoustical engineering, scale model fabrication and environmental control systems.

A Registered Professional Engineer, Choat is a member of the American Society of Mechanical Engineers, the American Association for Contamination Control and the American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc. He is past president of the Willowbrook and Linden Grammar School PTA's, and is serving currently as president of the Oak Ridge Council of PTA's, vice president of the Third PTA District, and State Citizenship Committee.

Choat came to Y-12 in March, 1953, after distribution, maintenance and accounting tasks at the Tennessee Coal and Iron Division of U.S. Steel, Birmingham, Alabama.

In 1961, Choat assumed his present duties in the Engineering Division's Environmental Control section. The section applies engineering techniques to control environmental factors of temperature, humidity, noise, radioactivity, dust, and air pressure, as required in plant facilities. The facilities include offices, laboratories, production areas and clean rooms. This group is highly specialized in designing for ultra-clean facilities and biological laboratories.

In addition, Choat performs special departmental assignments in managerial and manpower control and evaluation activities.

ASCET Meeting Set March 9 In Knoxville

The next monthly meeting of the Oak Ridge-Knoxville Chapter of the American Society for Certified Engineering Technicians will be at Weavers Cafeteria No. Three in Knoxville, tomorrow, March 9. The meeting begins at 7 p.m. A special film will be shown.



STATE LEGISLATORS FROM THIS AREA visited in Y-12 recently and were given a tour in the eastern end of the plant. From left, are Y-12 Plant Superintendent Roger F. Hibbs; Ray R. Baird, State Senator from Roane and Meigs County; Forrest M. Bridges, Flatorial Representative from Roane and Anderson Counties; Allen V. Kidwell, Direct Representative from Anderson County; and Jack Bowman, Direct Representative from Roane County; S. R. Sapirie, Manager Oak Ridge Operations, Atomic Energy Commission; and Dr. C. E. Larson, president of the Nuclear Division of Union Carbide Corporation. (Representative Kidwell is brother to Mildred Scott, Shift Superintendents' Office.)

Electronics Plans San Diego Plant

Union Carbide's Electronics Division has purchased 22 acres in the San Diego, California, industrial park and will shortly build a new plant there that will permit the expansion of the division's semiconductor production facilities.

The initial facility for the new property is now in the design stage. It will add approximately 30,000 square feet of production space to Union Carbide's expanding electronics capability. There is adequate space in the new 22-acre tract at San Diego, for further expansion at a later time.

The corporation first began producing semiconductors at Mountain View, California (near San Francisco), in 1964 and has since established itself as a leading supplier of field-effect transistors.

More recently both custom and standard linear integrated circuits have been produced at Mountain View. When the new plant opens late this year, integrated circuit work will be transferred to San Diego, and operations at Mountain View will be concentrated on single devices, according to Dr. Robert A. Charpie, president of the Electronics Division.

Both plants will be under the direction of the Electronics Division's semiconductor department, of which Robert Freund is general manager.

Union Carbide, which has been active in electronics products for many years, consolidated all its activities in capacitors, getters, crystals, lasers, semiconductors, integrated circuits, fuel cells, and the like in a single Electronic Division in June, 1966.

In addition to Mountain View, the Division presently operates plants and laboratories at Greenville, South Carolina; East Chicago, Indiana; Santa Monica, California; and Cleveland, Ohio.

'Smoke Gets In Your Eyes' Soon To Be Memory Here

"Smoke Gets In Your Eyes" will soon be a pleasant Jerome Kern memory in Y-12, so quotes the Atomic Energy Commission. Installation of improved air pollution control equipment is under way at the steam plant.

C. A. Keller, director of the Production Division, in the AEC's Oak Ridge Operations, said high efficiency electrostatic precipitators are being installed in the steam plant's four coal-fired boilers.

The new system, estimated to cost approximately \$765,000 is being installed by the Rust Engineering Company, AEC's prime construction contractor in Oak Ridge. It is expected that the system will be in operation by October of this year.

Keller said the electrostatic precipitators are designed to remove up to 98 per cent of the fly ash and other particles from smoke discharged into the atmosphere from the steam plant's two stacks. The precipitators will replace mechanical dust collectors which were installed for pollution control in 1954 when the steam plant was built.

Keller went on to say that the electrostatic precipitators are similar to those installed at the Tennessee Valley Authority's Bull Run Steam Plant, across the river, and would provide the "maximum practicable air pollution control at the Y-12 Plant."

"Aside from the obvious benefits of decreasing the amount of air pollution," Keller continued, "we expect to realize savings of some \$40,000 a year in extended life of air filters throughout the plant."

Installation of the air pollution control equipment is in keeping with an executive order of the President which requires that emissions of fly ash and other pollutants from Federal installations be kept at a minimum and establishes Federal agencies in a leadership role in the control and abatement of air pollution.

So . . . goodbye fly ash, goodbye smoke.

Safety Awards Should Be Picked Up Promptly

Safety awards for 1966 are being picked up by Y-12ers at their various portals of exit from the plant. Have you picked yours up yet? The Safety Department urges the immediate pick-up of all undistributed awards.

Distribution continues today, March 8, from 6:30 until 8 . . . and again this afternoon from 2 until 5 p.m. The pay-off booths will also open tomorrow, Thursday, March 9, for final distribution from 6:30 until 8 a.m.

It's difficult to chase someone down to give them an \$11 award . . . so let's help "Santa's helpers" a little by picking up our awards on schedule.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
94 Days Or
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(Unofficial Estimate)
Through March 5
Without A Disabling
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A Job Well Done
Is Also Safely Done

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian
Industrial
Editors'
Association

American Association Industrial Editors

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Bldg. 9704-2 Room 137
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Mental Patients' Roles Assumed By Two Y-12ers

Two Y-12ers play important roles in "The Shrike" which is set to open Friday, March 10, at the Playhouse in Jackson Square. Curtain time is 8:20 p.m. The play will also be seen Saturday, March 11, and Thursday, Friday, Saturday, and Sunday, March 16, 17, 18, and 19.

Reservations may be obtained by telephone, Oak Ridge 483-1224, or at the box office from 10 a.m. through 5:30 p.m.

Milt Carey will be seen as a patient in a big city hospital. Milt has been seen in several Oak Ridge Playhouse productions and the footlights will be no novelty to him. He comes in contact with the story's major character in the prize-winning drama.

Ernie Larmoyeaux, who has served as a backstage hand for some time for the Playhouse, makes his debut on the stage as another of the hospital's patients. Mrs. David Alford will be assisting on the property crew.

"The Shrike" is a harrowing portrayal of a wife's revenge on her husband. A shrike is a bird which impales its victims on thorns until they slowly die . . . and so it is with Ann Downs. When her husband, jobless and friendless, attempts suicide and ends up in a mental ward, Ann deliberately undermines any chance he has of being released except in her custody. The play won a Pulitzer Prize in 1952 and was a great success on Broadway.

AEC Films Show Food Processing With Atoms

The preservation of food by nuclear radiation is the subject of two new color films available for loan to the public from the Atomic Energy Commission here.

The two 16mm films, each running 13 and one-half minutes, are entitled "Farm Fresh to You," and "The Fresher the Better." Both films are also available for public service and educational telecasting.

Although semitechnical in nature and intended primarily for the food industry, the films will also be of interest to high school students and the general public.

"The Fresher the Better" explains how radiation pasteurization will extend refrigerated shelf life of fresh seafoods up to three times that of nonirradiated fresh seafood. "Farm Fresh to You" describes the application of radiation pasteurization of fresh fruits and vegetables.

Both films may be borrowed, free of charge except for return postage, by contacting the Motion Picture Film Library at the AEC.

Car Pool, Born During War Time, Now Essential Part Of Culture

At least one blessing came out of World War II. We got the car pool. Created because of gas shortages, the car pool grew in popularity, and continues to give respite to the average employee.

There are many advantages in car pooling. For instance, there's the money saved by doubling up with someone. Then what wife will complain about having the family car three days out of four? There's the advantage of riders sleeping, reading or exchanging gossip on the way to and from work.

Hidden advantages also make the car pool desirable. If four ride to work together, three less cars are on the roads coming into the plant. The non-drivers can also assist the driver whenever possible. He can do little things like rolling down the windows, cutting down the heater, adjusting the radio and many other things, as well as warn the driver of some danger that may be approaching.

Car pool etiquette, according to the TEC News, is simple, and follows two facts:

1. You, the driver

- Establish a well-timed route

with a safe pickup point for each rider. Do not block or endanger other traffic.

- Allow plenty of time, and allow extra time in icy or rainy weather.

- Last man out should enter first, sitting on the far left side in back; first man out enters last.

- Don't overload the car.

- Provide a seat belt for each passenger, as well as yourself.

- Check with your agent to make certain your liability and medical insurance is adequate.

2. You the rider

- Don't be late, encouraging the driver to make up for lost time.

- Be a co-pilot, without back-seat driving, pointing out upcoming dangers if you think the driver hasn't noticed them.

- Be helpful, tuning the radio, rolling down the window, and so on, so the driver can concentrate on his full-time job.

- Avoid spirited discussions or arguments that might distract the driver.

Courtesy, in a car pool or out of one, is merely consideration of the other fellow.



Car pool member wanted from Washington Pike, Buffet Road section, Knoxville, to East or North Portal, straight day. Harry Cutshaw, home phone Knoxville 525-8509.

Secretaries' Group Sets Course In Office Skills

A course entitled "CPS-Secretarial Skills (Practice Examinations)" will begin Monday, March 27, at the Oak Ridge High School. Classes will meet on subsequent Mondays from 6:30 to 9:30 p.m. in Room A180, with Yvonne Lovely as instructor. Registration will be through the Adult Education Office, and the fee is \$15.

This is a continuation of the review classes which have been sponsored during the fall and winter quarters by the Oak Ridge Chapter of the National Secre-

Electronics Division Produces Big Variety

Union Carbide Corporation's Electronics Division was organized in June of last year. The division manufactures a variety of products, including solid tantalum and plastic film capacitors; barium getters used in radio and television tubes; transistors made from microscopic chips of silicon; integrated circuits; synthetic ruby and sapphire crystals for use in lasers, satellites, and various industrial applications; and laser systems. One of the Division's recent developments is the fuel cell, which can convert chemical energy directly into electrical energy.

Former Oak Ridger Robert A. Charpie is president of the Electronics Division.

taries Association for the benefit of those preparing to take the Certified Professional Secretary examination in May. Participation is not limited to those who have applied to take the exam this year, but is open to all secretaries who might have an interest in eventually working toward certification.



Loose
Talk
Can
Destroy

SECURITY



EDWARD W. BAILEY, superintendent of Fabrications Systems Development, was the subject of a recent article in the Machine and Tool Blue Book. He is seen above at work in one of the photographs used accompanying the text. Other color photographs showed Bailey at his Oak Ridge home.

Development's Bailey Is Subject For Machine-Tool Magazine

Edward W. Bailey, Superintendent of Fabrications Systems Development, was the subject of an article in the January issue of the **Machine and Tool Blue Book**. The two-page spread, together with color photographs showed the Y-12er at work, and at home.

"Edward W. Bailey, Development Department Superintendent, Nuclear Division, Union Carbide Corporation Y-12 Plant, Oak Ridge, Tennessee, is the name, title and company of a man concentrating on the most diversified user's research and development projects aimed at any machine tools," the treatise began.

"Y-12 Plant (operated by Union Carbide Corporation for the United States Atomic Energy Commission) covers an area equivalent to 78 football fields and contains over 1,000 sophisticated machine tools, including 50 numerically controlled machines. Turning and boring with single-point tools is their big specialty, with tolerances of 0.0002 inch at times.

"The very nature of Y-12 Plant's products, mostly nuclear weapons components, dictates extremely tight tolerances. Even though Bailey believes the machine tool builders do a fine job of producing machines that perform up to specifications, his department still concentrates on research into areas of machining which meet Y-12's own particular requirements.

Procurement Described

"A request for equipment originates at all levels throughout the plant. If a foreman needs a machine to perform a specific job, he can start the ball rolling. The request then goes up the line organization, general foreman, department superintendent, division and plant superintendents. The engineering division writes specifications, puts out prelimi-

nary inquiries, and makes investigations of available equipment. After a machine is procured, a post audit is conducted on to two years later to see how it worked.

"Such things as laser interferometers for measuring expansion caused by internal heat are not at all uncommon at Y-12. In performing Research and Development tests on a particular machine no one is in a better position than the individual user who must be able to produce a specific part, and Bailey's problem and solution work has brought many machine tool builders to him for advice," the article concludes.

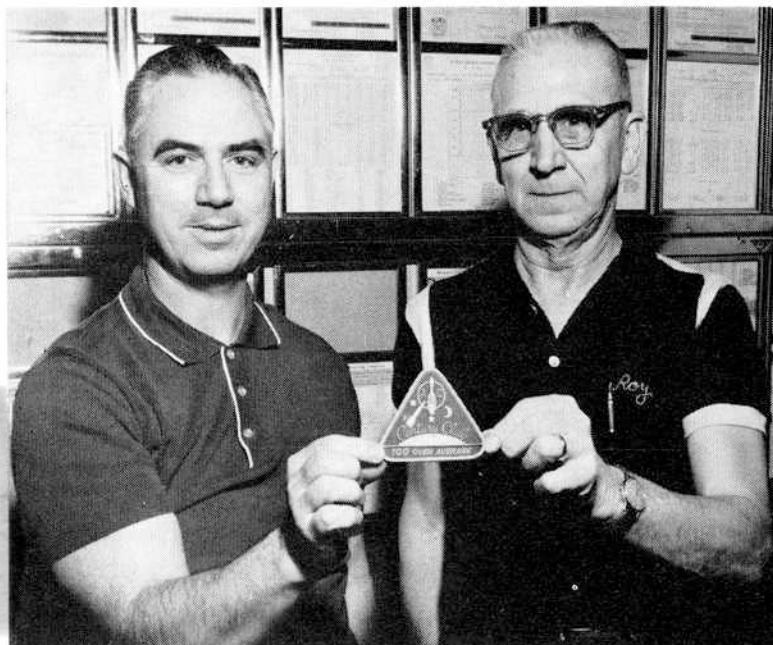
Family Pictures

Accompanying the article are pictures of Bailey in his 891 West Outer Drive, Oak Ridge, home. He is playing chess with son Tom (the Bailey's have two older children, Diane and David.) Mary Ann is seen watching the game (Mrs. Bailey is the former Mary Ann Murschel).

Bailey is a graduate of Ohio State University, holding a BS in chemical engineering. He came to Union Carbide after his U.S. Army stint here in Oak Ridge.

A native of Franklin, Ohio, the Y-12er came here 22 years ago.





THAT 266 GAME JACK McLENDON rolled back on January 19 has brought him a Century Patch from the American Bowling Congress. A century patch means you have rolled a game over a hundred pins above your average, which is no small feat. Jack receives his emblem above from the secretary of the Classic League, Roy Roberts, at right. McLendon and Roberts both bowl on the Has Beens team, one of the leading contenders in the Classic race.

Playboys Finally Break Dead-Lock With Has Beens In Classic Bowling

The Playboys nudged their way into the lead last week in the Classic Bowling League. They took the only four-point win in action against the Cubs. Three points went to the Has Beens over the Rebels, the Swingsters past the Smelters, the Tigers over the Screwballs, the Splinters over the Wasps, and the Bumpers past the Markers. The All Stars-Eagles, Eightballs - Rippers matches allowed each team two points.

Dave Smith, Playboys, rolled a big 243 scratch, 272 handicap game. Tom Hillard, Markers, posted a 606 scratch series; while Frank Adams, Playboys, added up a 685 handicap series!

The Bumpers swept team honors . . . singles of 980 scratch, 1091 handicap . . . series of 2787, 3120.

Volleyball Begins 2nd Half Warfare

Volleyballers began their second half last week with four teams taking sweeps.

The Scrubs blanked the Neophytes 15-3, 15-5, 15-6 and 15-5. The Big Y-12 Beavers followed suit in game number two over the Ecobums 15-2, 15-1, 15-3 and 15-12. The Beagles beat the Mix-Ups 15-11 . . . then the Mix-Ups returned to the courts to take the remaining three 15-11, 15-6 and 15-12.

Meanwhile, back on Court B the Tigercats tore into the Charley Browns, defeating them in game one 15-5. The CB's won game two 15-9 . . . and the 'Cats won games three and four 15-9, 15-4.

The Set-Ups and Old Men split the four games right down the middle . . . the Set-Ups winning 15-12, 15-6 . . . the Men winning 15-5, 16-14. The K-25 Sports downed the Eagles 15-2, 15-9, 15-4, and 15-12.

League standings follow:

Team	W	L
Beavers, Y-12	4	0
Scrubs, ORNL	4	0
K-25 Sports	4	0
Mix-Ups, K-25	3	1
Tigercats, ORNL	3	1
Set-Ups, ORNL	2	2
Old Men, ORNL	2	2
Beagles, ORNL	1	3
Charley Browns, ORNL	1	3
Ecobums, ORNL	0	4
Neophytes, Y-12	0	4
Eagles, Y-12	0	4

League standings follow:

Team	W	L
Playboys	29	11
Has Beens	28	12
Swingsters	25	15
Tigers	24½	15½
Rebels	23½	16½
Splinters	23	17
Eagles	22	18
Markers	20½	19½
Cubs	20	20
Bumpers	20	20
Wasps	18	22
All Stars	18	22
Eightballs	13	27
Rippers	12½	27½
Screwballs	12	28
Smelters	11	29

Badgers Bag Top C Bowling Perch

The Badgers barged out in front in C Bowling circles last week, thanks to a fat four-point win over the Fireballs. Taking three, the Strikers licked the Big Five, the Rounders roused the Rollmasters and the HiLifers had the Sunflowers.

Down in the standings, the Parbustlers pelted the Invalids for four, and the Rodders rammed three past the Royal Flush.

Hugh Nichols, Parbustlers, busted a 213 single game out in scratch counting, pushed to a 252 handicap tally. A. E. Smith, Badgers, bested the field with a 570 scratch series . . . and Nichols' 668 handicap series was high.

The Parbustlers rolled high singles . . . 864 scratch, 1042 handicap . . . while the Badgers rolled high series . . . 2581 scratch, 2797 handicap.

League standings follow:

Team	W	L
Badgers	19	9
Strikers	17	11
Rounders	17	11
HiLifers	16½	11½
Big Five	16	12
Fireballs	14	14
Royal Flush	13	15
Rodders	12	16
Parbustlers	12	16
Invalids	11	17
Rollmasters	10½	17½
Sunflowers	10	18



"It's no use. He won't tell anybody how he did it."

Recreation



Monday, March 13

BOWLING: 5:45 p.m., C. League, Ark Lanes.

TABLE TENNIS: 7 p.m. Wildcat's Den.

PHYSICAL FITNESS: (For Women) 7 p.m., Oak Ridge High School Girls' Gym.

BASKETBALL: Beginning 6:30 p.m., Oak Ridge High School Gym. Radioisotopes vs. Celtics; Bombers vs. Braves; B bar R's vs. Collegians.

Tuesday, March 14

PHYSICAL FITNESS: (For Men), 7:30 p.m., Oak Ridge High School Gym.

Wednesday, March 15

JULIUS CAESAR, Stay Home. BASKETBALL: Beginning 6:30 p.m. Jefferson Junior High School. Bat Boys vs. Has Beens; Ecobums vs. Celtics; VIP's vs. Radioisotopes.

BADMINTON: 7:30 p.m., Jefferson Junior High School Gym.

BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, March 16

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m., Robertsville Junior High School Gym. Court A: Beavers vs. Eagles; Mix-Ups vs. K-25 Sports; Charley Brown's vs. Old Men. Court B: Scrubs vs. Set-Ups; Neophytes vs. Beagles; Ecobums vs. Tigers.

Mustangs Move Into Mixed Lead

The Mustangs moved into first place in the Mixed Bowling League last week with a four-point win over the Twisters. The Rollers moved up with a three-point win over the Goofers, as did the Roses 'N Thorns over the Hits & Misses. The Alley Cats and Novices shared two points each.

Bill Hackett, Roses 'N Thorns, rolled a 197 scratch game . . . tying with Steve Pintur, Alley Cats, with a 225 handicap single. George Cantrell, Mustangs, mustered a 531 scratch series . . . while Pintur rolled a 606 handicap series. Irene Carmack, Mustangs, rolled a 170 scratch single. Dessie Worley, Roses 'N Thorns, posted a 213 handicap game. Irene's series of 479 scratch, 599 handicap were high.

The Mustangs swept all team honors, singles of 666 scratch, 789 handicap . . . series of 1955 scratch, 2334 handicap.

League standings follow:

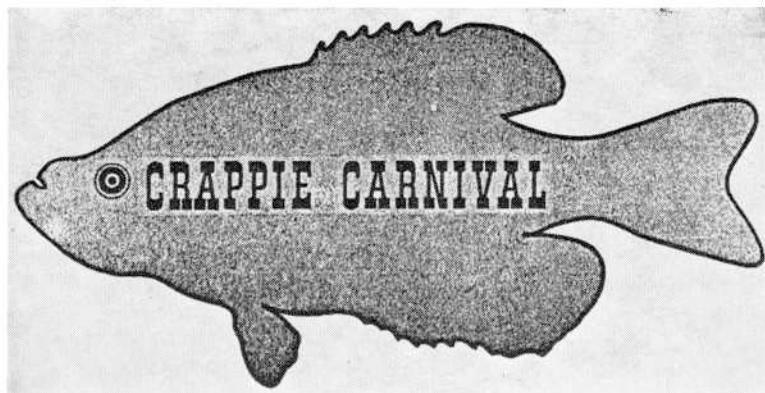
Team	W	L
Mustangs	22	14
Hits & Misses	21	15
Rollers	20	16
Goofers	19	17
Roses 'N Thorns	19	17
Twisters	18	18
Novices	10	26

Golf Tournaments Are In Making For Summer

With balmy weather almost upon us (we heard some frogs last week) Y-12 greensmen all already digging at the turf, awaiting golf news. As soon as the tournaments are set for the season, the Bulletin will carry a schedule. One is already set in April, another for May.

We'll let you know just as soon as arrangements are all final. Meanwhile, you might get those old irons out and start cleaning them.

The worst enemy a man can have is a careless friend.



E, F, G, H and J Shift-Men Plan Crappie Rodeo March 25

E, F, G, H and J Shift is planning a big Crappie Carnival, Saturday, March 25. The rodeo will be held at Blue Springs Boat Dock on Watts Bar Lake.

The entries and awards will be restricted to crappie only. There will be later rodeos for other species. Any Y-12er and his family may participate. There is no charge.

The "polls" will be open at 6 a.m. for registration and will continue to be open for registration to 10 a.m. No registrations will be accepted after 10 a.m. The Rodeo will close at 5 p.m. sharp. Weigh-in will be from 4 p.m. to 5 p.m. and no entries will be accepted before or after these hours.

Awards are to be distributed right after 5 p.m. to those who are present and qualify with a winning entry.

Reservations for boats will be

made by the individual himself and may be made by calling the Blue Springs Boat Dock, Kingston telephone 376-7298. To wait might be too late.

There will be 11 fish awards and a dock award ready for the lucky anglers.

The Shifters are looking for a big crowd at their first fishing outing of the year.

The Crappie awards go as follows (in descending order), a 56-quart cooler; 24-inch brazier with motorized spit; a Mitchell 300 reel; a Mitchell 308 reel; an Ambassador casting reel; a Shakespeare spinning rod; a 28-quart cooler; an Aladdin outing kit; a Shakespeare spinning rod; a 30-quart ice chest and a two-gallon jug.

Crappie should be at their peak the 25th of this month . . . so goes the opinion of E, F, G, H and J'sers.

Y-12 Teams Lose Big In Basketball

The Basketball League got back into full swing last week . . . with the Radioisotopes starting action Monday night, downing the B bar R's 35 to 19. Jim Gibson led the raiding team with 17 points through the hoop . . . Jerry Batson totaled eight for the losers.

The K-25 Celtics edged by the Y-12 Braves in Monday's second game, 41 to 40. Churchill Moore's jump shot in the closing seconds paced the Celtics. Moore also turned in a most outstanding job in the rebounding department. He scored 15 for the Celtics, while Bill Shellinger scored 21. Jim Batch led the losers with 13, Tim Butler and Denver Teague scored 11.

The Has Beens downed the Collegians in final action 55 to 41. Jerry Prudom led the attack for the winners, with 11 points. Ed McFaddin tallied nine and Chuck Brown eight. For the losers it was Phil McCulley, 15; Don Bennett, 14; and Bob McCulley, 11.

Wednesday's action began as the Bombers belted the Bat Boys 58 to 25. The gallant but out-manned Boys took the bombing as everybody on the winning squad got in the scoring act. It was never a question of who . . . but how many. Jim Shoemaker paced the winners with 15. Dave Hendrickson led for the Bat Boys with eight; Frank Labello seven.

The Ecobums with superior height defeated the B bar R's 58 to 42. The 'Bums started with their second five, but with Homer Tucker and Tom Kitchings (each scoring 11 points), they were too much. Bob Brown scored a fine 22 points for his losing team.

The VIP's made shortcake out of the Y-12 Braves in the week's final action . . . 58 to 18. The game started very slowly, neither team scored the first four minutes.

Gambill, Kertesz Lead Table Tennis

Action picked up in the Table Tennis League last week after a week's rest. In the K League Francois Kertesz downed Ed Isham for three games . . . as did Joe Lewin. Lewin also defeated Winfred Collins, and Bob Bernard. Tudor Boyd defeated Isham . . . but lost to Jim Hallau.

K League standings:

Player	W	L
Francois Kertesz, ORNL	17	1
Joe Lewin, ORNL	19	2
Winfred Collins, Y-12	12	9
Tudor Boyd, Y-12	9	12
Bob Bernard, ORNL	5	10
Jim Hallau, Y-12	6	12
Harley Law, Y-12	4	14
Ed Isham, Y-12	3	15

The X League saw no action. Bill Motley still leads this league . . . a mere one point above Roy Huddleston.

The Y League saw Ed Gambill take three games from Jerry Hutchins. Ram Uppuluri won two from Art Weinberger and one from Bob Coveyou. Coveyou downed Hutchins for two.

Y League standings:

Player	W	L
Ed Gambill, Y-12	7	0
Ram Uppuluri, ORNL	11	4
Art Weinberger, ORNL	11	7
Robert Coveyou, ORNL	10	5
Roy Matheny, ORNL	4	8
Jerry Hutchins, ORNL	2	10
Stan Cantor, ORNL	0	6
Tom Baldwin, ORNL	0	6

The VIP's, however, picked up their momentum in the second period and began dominating both boards. Jim Carter reached up for 27 points . . . Bob Compton, 16. On the losing side it was Tim Butler with 14.

Team	W	L
VIP's, ORNL	7	0
Bombers, ORNL	6	1
Radioisotopes, ORNL	5	1
Ecobums, ORNL	4	3
B bar R's, ORNL	3	4
Collegians, Y-12	2	4
Celtics, K-25	2	4
Has Beens, ORNL	2	4
Braves, Y-12	1	6
Bat Boys, Y-12	1	6

HANDLE WITH CARE

"With reasonable care the human body will last a lifetime."—Arnold Glasgow.

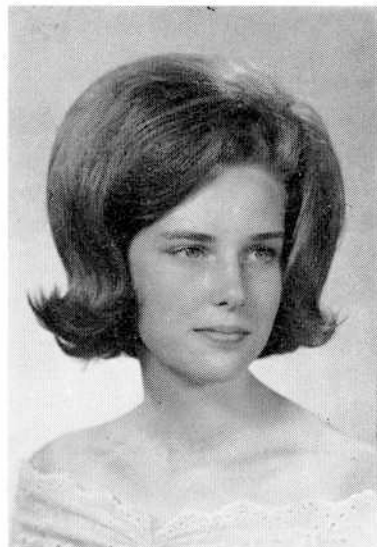


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Smith Daughter Is Worthy Adviser



Shirley Smith

Shirley Smith, daughter of A. E. Smith, Chemical Engineering Development, was recently installed as Worthy Advisor of the Rainbow Girls in Clinton.

A junior at Clinton High School, Shirley is vice president of her class, a member of the National Honor Society, Science Club, Pep Club, Spanish Club and Top Hats.

The Smith home is at 125 Kentucky Avenue, Clinton.

GUARD AGAINST TYRANNY

"There is no week nor day nor hour, when tyranny may not enter upon this country, if the people lose their roughness and spirit of defiance — Tyranny may always enter — there is no charm, no bar against it — the only bar against it is a large resolute breed of men." — Walt Whitman.

Mining-Metals Division Conducts Mining School

The Mining and Metals Division of Union Carbide Corporation is conducting a mining school in West Virginia. The coal industry has experienced an upturn in recent years with a resulting shortage of experienced miners. In addition, coal mining techniques have changed with the advent of automatic mining machines. The five-month course will be conducted with the cooperation of the United Mine Workers, Action for Appalachian Youth for Community Development, Inc., the Kanawha County Board of Education, and the State Employment Security Division. The 20 students in the pilot project are expected to be able to find work after "graduation" at one of Union Carbide's four mines in the area.

Visitor From Germany Leads Physics Seminar

Claus Weitkamp, Kernforschungszentrum, Karlsruhe, Germany, will lead this week's Physics Division seminar. His subject will be "Vibrational States in ⁷⁴Ge."

The seminar is scheduled for Friday, March 10, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Good Driver Obeys Law When Nobody's Looking!

O. K. Nobody is looking, go on and make a U turn. Remember, a good driver obeys the law whether anyone is looking or not. The sign was put there for an important reason — to help prevent you from having an accident. You're not proving anything by disobeying it.



"The stormy March has come at last, with wind, and cloud, and changing skies." More Y-12ers "like lions" charge across important landmarks with Union Carbide Corporation. Congratulations.

20 YEARS

Woodrow W. Cook, Stores Department, March 4.

Harvey L. Cox, Utilities Administration, March 13.

Arthur J. Fisher Jr., Security Department, March 10.

Sam H. Davis, Material Specimen Shop, March 11.

Ernest M. McCullough, Process Maintenance, March 11.

Dennis E. Stone, Chemical Services, March 12.

Bert O. Davis, Chemical Services, March 14.

Bruce L. Loflen, Instrument Engineering, March 14.

15 YEARS

Watson H. Roberts, Dispatching Department, March 2.

Harley H. Buckner, Electrical Department, March 3.

George E. Dabney, Buildings, Ground and Maintenance Department, March 3.

Lorin M. Steckel, Laboratory Development, March 3.

Albert J. Taylor, Chemical Engineering Development, March 5.

Alexander K. Johnson, Jr., Electrical Department, March 6.

Willie H. White, Chemical Services, March 6.

10 YEARS

George Drevik, Product Engineering, March 4.

Charles H. Dye, Area Five Maintenance, March 11.

Mildred E. Kasten, Data Processing, March 11.

Adrian L. Prestwood, Research Services, March 11.

New Fishing Rodeo Opens This Saturday

There's a new Fishing Rodeo (other than the annual one) opening Saturday, March 11, for all Y-12ers.

Eligible species include small-mouth bass, largemouth bass, stripe bass, walleye, sauger, crappie, trout and bream or bluegill. No photographs are required for entries, either. The contest will end September 11.

So you Spring and Summer Isaac Waltons can pick up the blanks at Recreation, or just give them a call at extension 3-7109.

A big one may be entered in both contests, but the annual rodeo does require a photograph. That's the only difference . . . plus the fact that the annual has more species eligible.

Electricity Can Be Hazard In The Kitchen

Electricity has transformed the kitchen from a place of drudgery to a bright, cheerful room. Appliances now do the work for most of us. There are a few things to remember, however, in paying respect to these servants.

Remember . . .

- Electrical appliances usually should not be immersed in water. Clean as manufacturer directs.
- Pull out wall plug when cleaning toaster or other appliances . . . unplug appliances after use.
- Don't plug more than one appliance with heating element into the same wall outlet.
- Never store or wrap cord around hot appliances.
- Be sure your washing machine is properly grounded.



A NEWLY ORGANIZED SCOUT PACK AT DYLLIS finds Y-12 parents involved in the Boy Scout movement. Lonnie Nelson, Maintenance, is acting as Scout Committeeman, and Clarence Edwards, Metal Fabrication, is assistant scout master. The troop (number 272) is seen above at an organizational meeting.

Boy Scouts Of America 57 Years Old As New Pack Formed At Dyllis

A trip to England 57 years ago last month resulted in the forming of the Boy Scouts of America. William D. Boyce, Chicago publisher, met with Sir Robert Baden-Powell, founder of the Scouting movement some year earlier. The American publisher returned to this country and on February 8, 1910, he founded the present BSA.

Since that time untold multitudes of boys have been helped in their physical and spiritual growth through the efforts of the Scouts.

Many Y-12ers are active in packs all over the section. The latest one to be added is the newly organized Dyllis Scout Pack 272 . . . down at Route 2, Harri-

man. Lonnie Nelson, Process Maintenance, is acting as Scout Committeeman; and Clarence Edwards, General Can Fabrication Ship, is assistant Scout Master. Grady E. Lassiter, a K-25 employee, is the pack's Institutional Representative.

Though the Dyllis Pack is still in the organizational stages, it boasts 11 cubs and 20 scouts.

Nelson's son Ronnie, and Edwards' two boys, Bruce and Keith, are among the new scouts in the troop.

The Boy Scouts of America is

tangible proof of some of the good that comes from our United Fund contributions. There are many others all around us.

The Scouts promote good citizenship by creating in boys a spirit of civic duty and usefulness to others, and by training them in handicrafts, woodcraft and the like.

Though it has passed its 67th birthday, the Boy Scouts stays eternally young with its new crop of eager young boys and helpful adults who wish to take the time to assist a youngster.

How Good A Detective Do You Think You Are?

Can you figure this one out? Jack, John and Joe hold down six jobs. The jobs are painter, musician, gardener, chauffeur, bootlegger, and barber. From the following clues, which man holds down what two jobs. (1) The chauffeur offended the musician when he laughed at his long hair. (2) Both the musician and the gardener used to go fishing with John. (3) The painter bought a quart of gin from the bootlegger. (4) The chauffeur courted the painter's sister. (5) Jack owed the gardener five dollars. (6) Joe beat both Jack and the painter at checkers.

Give up? Answer is given below upside down!

(Joe the gardener and bootlegger. John is the painter and barber.)

'This Day Too Dear To Waste On Yesterday'

"Write it on your heart that every day is the best day of the year. He is rich who owns the day, and no one owns the day who allows it to be invaded with fret and anxiety. Finish every day and be done with it. You have done what you could. Some blunders and absurdities, no doubt, crept in. Forget them as soon as you can, tomorrow is a new day; begin it well and serenely, with too high a spirit to be cumbered with your old nonsense. This new day is too dear, with its hopes and invitations, to waste a moment on the yesterdays." Ralph Waldo Emerson.

MANY HAPPY RETURNS

Musicologists have now come up with "Happy Birthday To You" as the world's most popular song, replacing the "Marseillaise." That'll show de Gaulle a thing or two!



Y-12ERS WHO DONATED to the United Fund last year can see tangible evidence here showing where part of their money went. The Anderson County Emergency and Rescue Squad, a dedicated group of men who work without compensation (other than the knowledge that they have helped a fellow human being), proudly displays their latest addition, a badly needed rescue squad carrier. Many Y-12ers are participating in the worthwhile efforts of the Rescue Squad, both in Anderson and out-lying counties.



MATTIE B. MAY, Chemical Services, is seen at one of her favorite pastimes . . . entertaining her granddaughter Susan Elizabeth Fehling. Susan's parents are Mr. and Mrs. Robert Fehling, Oak Ridge. He works at K-25 and is also a student at U.T. Looks like Susan has a favorite pastime too, doesn't it?